# **Refine Search**

# Search Results -

Terms	Documents	
6835871.pn.	1	

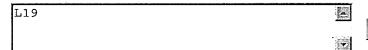
US Pre-Grant Publication Full-Text Database

# US Patents Full-Text Database

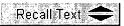
Database:

US OCR Full-Text Database EPO Abstracts Database JPO Abstracts Database Derwent World Patents Index IBM Technical Disclosure Bulletins

Search:



Refine Search





Interrupt

## **Search History**

DATE: Wednesday, March 16, 2005 Printable Copy Create Case

Set Name ide by side	Query	Hit Count	Set Name result set
DB = US	PT; PLUR=YES; OP=OR	A TOTAL TOTA	
<u>L19</u>	6835871.pn.	1	<u>L19</u>
<u>L18</u>	L16 and L17	<sup>7</sup> 1	<u>L1.8</u>
<u>L17</u>	relative adj4 0.5	1121	<u>L17</u>
<u>L16</u>	L14 and L15	4	<u>L16</u>
<u>L15</u>	flower adj3 white	1318	<u>L15</u>
<u>L14</u>	L11 and L13	7	<u>L14</u>
<u>L13</u>	maturity adj3 0	223	<u>L13</u>
<u>L12</u>	maturity adj3 0L11	0	<u>L12</u>
<u>L11</u>	L9 and L10	33	<u>Ll1</u>
<u>L10</u>	hilum adj5 black	368	<u>L10</u>
<u>L9</u>	L1 and L2 and L3 and L5 and L7 and L8	44	<u>L9</u>
<u>L8</u>	pubescence adj3 tawny	419	<u>L8</u>
<u>L7</u>	cotyledon adj4 yellow	444	<u>L7</u>
<u>L6</u>	cotyledon adj4 yellowL5	0	<u>L6</u>
<u>L5</u>	pod adj3 brown	266	<u>L5</u>
<u>L4</u>	pod adj3 brownL3	0	<u>L4</u>
<u>L3</u>	luster adj5 dull	472	<u>L3</u>
<u>L2</u>	coat adj5 yellow	747	<u>L2</u>
Ll	soybean and roundup	429	<u>L1</u>

END OF SEARCH HISTORY

#### FILE 'HOME' ENTERED AT 11:36:43 ON 16 MAR 2005

=> s schultze d? /au
THIS COMMAND NOT AVAILABLE IN THE CURRENT FILE
Some commands only work in certain files. For example, the EXPAND
command can only be used to look at the index in a file which has an
index. Enter "HELP COMMANDS" at an arrow prompt (=>) for a list of
commands which can be used in this file.

=> file agricola biosis COST IN U.S. DOLLARS

SINCE FILE TOTAL ENTRY SESSION 0.21 0.21

FULL ESTIMATED COST

FILE 'AGRICOLA' ENTERED AT 11:37:17 ON 16 MAR 2005

FILE 'BIOSIS' ENTERED AT 11:37:17 ON 16 MAR 2005 Copyright (c) 2005 The Thomson Corporation

=> s l1 and soybean

L2 12 L1 AND SOYBEAN

=> s l1 and 0509237

L3 0 L1 AND 0509237

=> s 12 and 0509237

L4 0 L2 AND 0509237

=>

ILE 'HOME' ENTERED AT 11:26:04 ON 16 MAR 2005

=> file agricola biosis COST IN U.S. DOLLARS

SINCE FILE TOTAL SESSION ENTRY 0.21 0.21

FULL ESTIMATED COST

FILE 'AGRICOLA' ENTERED AT 11:26:15 ON 16 MAR 2005

FILE 'BIOSIS' ENTERED AT 11:26:15 ON 16 MAR 2005 Copyright (c) 2005 The Thomson Corporation

=> s soybean and (cotyledon(w)yellow)

O SOYBEAN AND (COTYLEDON(W) YELLOW)

=> s soybean and (yellow(W)cotyledon)

4 SOYBEAN AND (YELLOW(W) COTYLEDON)

=> s 12 and (tawny(w)pubescence)

0 L2 AND (TAWNY(W) PUBESCENCE)

=> s soybean and dull and yellow and luster and roundup

O SOYBEAN AND DULL AND YELLOW AND LUSTER AND ROUNDUP

=> s soybean and dull and yellow and luster

O SOYBEAN AND DULL AND YELLOW AND LUSTER

=> s soybean and dull and yellow

O SOYBEAN AND DULL AND YELLOW

=> s soybean and yellow

1031 SOYBEAN AND YELLOW

=> s 17 and white

98 L7 AND WHITE

=> s 18 and brown

19 L8 AND BROWN

=> s 19 and tawny

2 L9 AND TAWNY

=> d 110 1-2 ibib

L10 ANSWER 1 OF 2 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2005) on STN

ACCESSION NUMBER:

94:14369 AGRICOLA

DOCUMENT NUMBER:

IND20372109

TITLE:

Inheritance of red-buff seed coat in soybean

AUTHOR(S): AVAILABILITY: Seo, Y.W.; Specht, J.E.; Graef, G.L.; Graybosch, R.A.

DNAL (64.8 C883)

SOURCE:

Crop science, July/Aug 1993. Vol. 33, No. 4. p.

754-758

Publisher: Madison, Wis. : Crop Science Society of

America, 1961-

CODEN: CRPSAY; ISSN: 0011-183X

NOTE:

Includes references

United States; Wisconsin PUB. COUNTRY:

DOCUMENT TYPE: Article

U.S. Imprints not USDA, Experiment or Extension

LANGUAGE:

FILE SEGMENT:

English

L10 ANSWER 2 OF 2 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN

ACCESSION NUMBER: 1993:428143 BIOSIS DOCUMENT NUMBER: PREV199396082768

TITLE: Inheritance of red-buff seed coat in soybean.

AUTHOR(S): Seo, Y. W.; Specht, J. E. [Reprint author]; Graef, G. L.;

Graybosch, R. A.

CORPORATE SOURCE: Dep. Agron., Univ. Nebraska, Lincoln, NE 68583-0915, USA

SOURCE: Crop Science, (1993) Vol. 33, No. 4, pp. 754-758.

CODEN: CRPSAY. ISSN: 0011-183X.

DOCUMENT TYPE: Article LANGUAGE: English

ENTRY DATE: Entered STN: 22 Sep 1993

Last Updated on STN: 23 Sep 1993

### => d l10 2 ab

L10 ANSWER 2 OF 2 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN In soybean (Glycine max (L.) Merr.), five loci ((I/i-k/i-i/i, AB R/r-m/r, T/t, W1/w1, O/o) interact to produce seed coat and/or hilum color phenotypes of gray (G), yellow (Y), black (Bl), imperfect black (Ib), brown (Br), striped brown-black, redbrown (Rbr), or buff (Bf). The T/t and W1/w1 loci also condition tawny/gray pubescence and purple/white flowers, respectively. T236, a white-flowered gray-pubescence accession in the soybean genetic collection, has a unusual red-buff (Rbf) seed coat. The genetic relationship of Rbf to the other seed coat colors was not known. To evaluate this relationship, T236 was mated to six soybean lines of known genotype relative to the five loci. F-2 individuals were classified as to flower, pubescence, seed coat, and hilum color. In all crosses, only F-2 plants with while flowers, gray pubescence, and an R- genotype produced Rbf seed coats or hila. The F-2 segregation ratios were not compatible with an inheritance model for Rbf that invoked allelic segregation at a sixth locus. Indeed, Rbf seed coat seemed to be conditioned by a new allele at the T/t locus, symbolized as t-r. While there was no perceptible difference in the gray pubescence phenotypes conditioned by the t and t-r alleles, the t-r allele was detectable in an R-w/wl genetic background, where the allelic series T/t-r/t produced the seed coat color phenotypes of B1/Rbf/Bf (in left-to-right dominance-recessiveness order). In all other backgrounds (i.e., R-W1-, rrW1-, and rrw1w1), the seed coat colors produced by t and t-r were identical. The currently accepted model for the inheritance of anthocyanidin pigments in the soybean seed coat is that: (i) R necessary for anthocyanidin production, (ii) T is needed for dihydroxylation of the B-ring, (iii) W1 is needed for trihydroxylation of the B-ring. Our postulation that the Rbf seed coat phenotype requires an R-t-r-wlwl genotype is consistent with this theory. It is also consistent with the report that pelargonidin, a monohydroxylated B-ring anthocyanidin, is the predominant pigment in the Rbf seed coats of strain T236.

